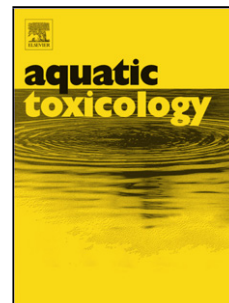


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Author: Marcía N. Snyder W. Matthew Henderson Donna A. Glinski S.Thomas Purucker



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Biomarker analysis of American toad (*Anaxyrus americanus*) and grey tree frog (*Hyla versicolor*) tadpoles following exposure to atrazine

Marcía N. Snyder^{a,b}, W. Matthew Henderson^c, Donna A. Glinski^a, S. Thomas Purucker^c

^a Grantee to U.S. Environmental Protection Agency via Oak Ridge Institute of Science and Education, Athens, Georgia, 30605.

^b U.S. Environmental Protection Agency, Office of Research and Development, National Health and Ecological Effects Laboratory, 200 SW 35th St. Corvallis, OR 97333.

^c U.S. Environmental Protection Agency, Office of Research and Development, National Exposure Research Laboratory, 960 College Station Road, Athens, Georgia, 30605.

Corresponding Author: U.S. Environmental Protection Agency, Office of Research and Development, National Health and Ecological Effects Laboratory, 200 SW 35th St. Corvallis, OR 97333, Phone: (541) 754-4423, Email: snyder.marcia@epa.gov

Highlights:

1. *Anaxyrus americanus* and *Hyla versicolor* larva were exposed to atrazine at sub-lethal levels.
2. Metabolomics with machine learning classification analysis was used to demonstrate changes between exposed and control tadpoles metabolomic profiles
3. Biochemical fluxes were observed in fatty acids, amino acids, purine nucleosides, pyrimidines, and mono- and di-saccharides.
4. Pathways analysis demonstrated disruption of amino acid and energy metabolism from atrazine exposure.

Abstract

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